

**IN THE UNITED STATES PATENT  
AND TRADEMARK OFFICE**

Serial No. : 10/790,931

Applicants : Takemori TAKAYAMA et al.

Filed : March 1, 2004

For : ROLLING ELEMENT AND METHOD  
OF PRODUCING THE SAME

Art Unit : 1742

Examiner : Deborah YEE

Docket No. : 04005/HG

Confirm. No.: 3234

Customer No.: 01933

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**MAIL STOP AMENDMENT**

S I R :

Submitted herewith are copies of the foreign patent documents identified on the attached IDS Forms.

The documents cited on the attached IDS Forms were cited in related copending application Serial No. 10/391,732.

The U.S. patent documents identified on the attached IDS Forms are not enclosed herewith, since the USPTO waived the requirement to file copies of U.S. patents and U.S. patent application publications for U.S. applications filed after June 30, 2003. See the USPTO Notice dated July 11, 2003.

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*Dorothy DeFrancesco*  
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In the event that this Paper is late filed, and the necessary petition for extension of time is not filed concurrently herewith, please consider this as a Petition for the requisite extension of time, and to the extent not tendered by Form PTO-2038 attached hereto, authorization to charge the extension fee, or any other fee required in connection with this Paper to Account No. 06-1378.

09/04/2007 WADDL1 00000066 10790931  
01 FC:1806  
180.00 OP

RE 28,523, USP 5,131,965 and USP 4,162,157 were cited on the Form PTO-892 that was attached to the January 12, 2005 office Action in application Serial No. 10/391,732.

JP 9-111403, JP 8-109435, JP 2002-121645 and JP 8-109435 were cited on the Form PTO-892 that was attached to the June 6, 2005 Office Action in application Serial No. 10/391,732.

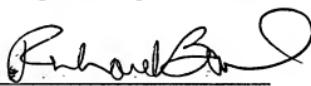
The ASM Metals Handbook publication was cited in the Form PTO-892 that was attached to the June 6, 2006 Office Action in application Serial No. 10/391,732.

A Form PTO-2038 in the amount of \$180 is enclosed herewith.

It is respectfully requested that the Examiner return initialed copies of the attached IDS Forms to confirm that the documents listed therein have been considered and made of record.

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RSB/ddf

Respectfully submitted,

  
Richard S. Barth

Reg. No. 28,180

Encs.: (1) IDS Forms  
(2) copies of non-U.S. patent documents cited  
on the attached IDS Forms  
(3) Form PTO-2038

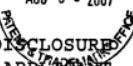
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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

## IDS FORM

AUG 30 2007

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT



Application Number	10/790,931
Filing Date	March 1, 2004
First Named Inventor	Takemori TAKAYAMA
Group Art Unit	1742
Examiner Name	Deborah YEE
Sheet	1 of 4
Attorney Docket Number	04005/HG

## U.S. PATENT DOCUMENTS

Exam. Initia <sup>1</sup>	Cite No <sup>1</sup>	Document Number	Kind Code <sup>2</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion
/D.Y./		2006/0021679	A1 B2 A	TAKAYAMA	02-02-2006	
		6,899,774		KOMATSU LTD	05-31-2005	
		RE 28,523		REPUBLIC STEEL CORPORATION	08-19-1975	
		5,131,965		CATERPILLAR INC	07-21-1992	
		4,162,157		USA/DEPT OF ENERGY	07-24-1979	

## FOREIGN PATENT DOCUMENTS

Exam. Initia <sup>1</sup>	Cite No <sup>1</sup>	Offc <sup>3</sup>	Document Number <sup>4</sup>	Kind Code <sup>5</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T <sup>6</sup>
/D.Y./		JP.	49-7117	A B2 B2 B2 B2 B2 B2 A	MITSUBISHI STEEL MFG CO LTD	01-22-1974		a
		JP	54-10923		NIPPON STEEL CORP	05-10-1979		a
		JP	54-23329		KOMATSU LTD	08-13-1979		a
		JP	55-12184		TOYOTA MOTOR CORP et al	03-31-1980		a
		JP	57-10177		TOPY INDUSTRIES LTD	02-25-1982		a
		JP	57-16186		KAWASAKI HEAVY IND LTD	03-08-1977		b
		JP	57-19183		NIPPON STEEL CORP	03-23-1978		b
		JP	55-2789		KOMATSU LTD	01-10-1980		b

Examiner Signature	/Deborah Yee/	Date Considered	06/03/2008
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<sup>1</sup> Unique citation designation number. <sup>2</sup> See kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Place a check here if English translation is attached.

DATE: August 30, 2007

a ENGLISH-LANGUAGE TRANSLATION OF TITLE PAGE ONLY ENCLOSED; b ENGLISH-LANGUAGE ABSTRACT ENCLOSED

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

IDS FORM				Application Number	10/790,931
				Filing Date	March 1, 2004
				First Named Inventor	Takemori TAKAYAMA
				Group Art Unit	1742
				Examiner Name	Deborah YEE
Sheet	2	of	4	Attorney Docket Number	04005/HG

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/D.Y./		JP	57-89424	A	SUMITOMO METAL IND LTD	06-03-1982		a
		JP	57-174434	A	KOMATSU LTD	10-27-1982		a
		JP	59-107066	A	MITSUBISHI HEAVY IND LTD	06-21-1984		a
		JP	59-136451	A	MITSUBISHI HEAVY IND LTD	08-06-1984		a
		JP	5-32462	B2	NIPPON STEEL CORP	07-07-1989		a
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		JP	5-59427	B2	MITA IND CO LTD	03-30-1984		a
		JP	3227730	B2	DAIDO STEEL CO LTD	03-02-1993		a
		JP	55-12177	B2	KOMATSU LTD	01-10-1977		a
		JP	54-124816	A	MITSUBISHI HEAVY IND LTD	09-28-1979		a
		JP	54-143715	A	MITSUBISHI HEAVY IND LTD	11-09-1979		a

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/D.Y./ 		JP	2002-121645		NKK BARS & SHAPES CO LTD	04-26-2002		a
		JP	60-215743		SUMITOMO METAL INDUSTRIES CO LTD	10-29-1985		a
		JP	05-078781		SUMITOMO METAL IND LTD et al	03-30-1993		a
		JP	9-111403		TOA STEEL CO LTD	04-28-1997		a
		JP	8-109435		TOA STEEL CO LTD	04-30-1996		a
		JP	48-23617	A	KOMATSU LTD	03-27-1973		

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<b>IDS FORM</b> <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b>				Application Number	10/790,931
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				Group Art Unit	1742
				Examiner Name	Deborah YEE
Sheet	4	of	4	Attorney Docket Number	04005/HG

**OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials:	Cite No. <sup>1</sup>	Include name of author (in CAPITAL LETTERS), title of article, title of item, date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
/D.Y./		J.R. DAVIS, "ASM METALS HANDBOOK", Second Edition, (1998)	
Examiner Signature	/Deborah Yee/	Date Considered	06/03/2008

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